1	[0146]	ABSTRACT OF THE DISCLOSURE
2	[0147]	The disclosure pertains to a space-conserving integrated fluid delivery system
3	which is particularly useful for gas distribution in semiconductor processing equipment.	
4	The present invention also pertains to an integrated fluid flow network architecture, which	
5	may include, in addition to a layered substrate containing fluid flow channels, various	
6	fluid handling and monitoring components. The layered substrate is diffusion bonded, and	
7	the variou	us fluid handling and monitoring components may be partially integrated or fully
8	integrated	d into the substrate, depending on design and material requirements.